

VERMONT WEEKLY INFLUENZA SURVEILLANCE REPORT

February 19 -February 25, 2017 | MMWR Week 8

KEY POINTS

Influenza activity was categorized as **widespread** for MMWR Week 8

- Levels of Influenza-like Illness (ILI) activity seen in emergency departments increased
 - Of the total emergency room visits, **3.8% were due to ILI**
- Sentinel providers reported **1.51% of patients had ILI**
- Vermont Department of Health Laboratory reported **17 positive flu tests**
- National Respiratory and Enteric Virus Surveillance System reported **63 positive flu tests**
- Received reports of positive flu cases from multiple hospitals throughout the state
- Two outbreaks reported, one from a long-term care facility and one from a correctional facility, both in the Northwest region

**FLU
SURVEILLANCE
SEASON**

START
MMWR Week 40
(Week End Date 10/08/16)

END
MMWR Week 20
(Week End Date 5/20/17)

NATIONAL WEEKLY FLU REPORT

<http://www.cdc.gov/flu/weekly/index.htm>

VERMONT FLU WEBSITE

www.healthvermont.gov/prevent/flu/flusurveillance.aspx



| INFECTIOUS DISEASE EPIDEMIOLOGY | 802-863-7240 | WWW.HEALTHVERMONT.GOV/PREVENT/FLU |

VT Flu Geographic Spread*

No Activity

Sporadic

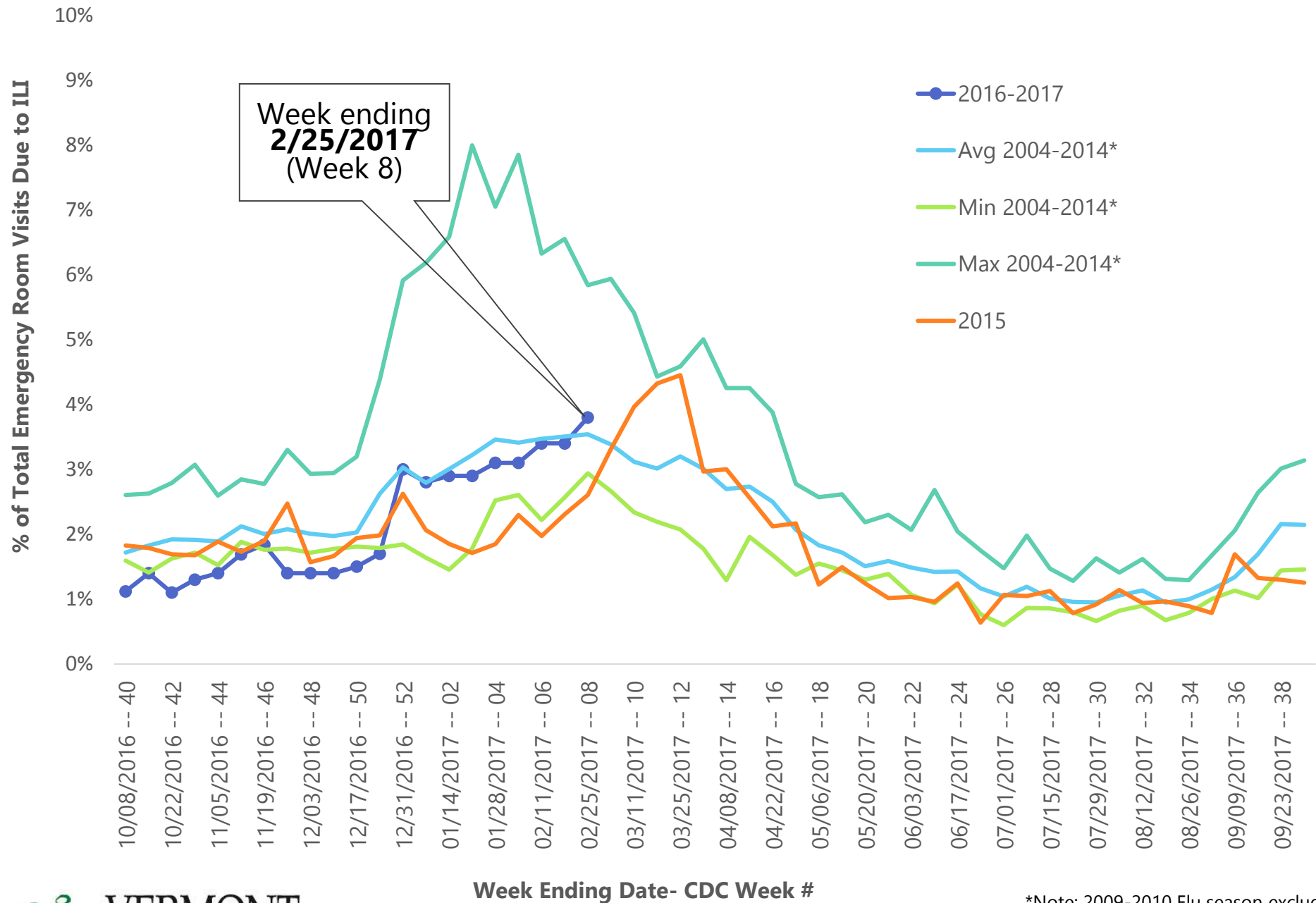
Local

Regional

Widespread

*Based on CDC's Activity Estimates Definitions:
www.cdc.gov/flu/weekly/overview.htm

Syndromic Surveillance of Influenza-Like Illness (ILI) at Vermont Hospitals, 2016-2017 vs. Historic Data



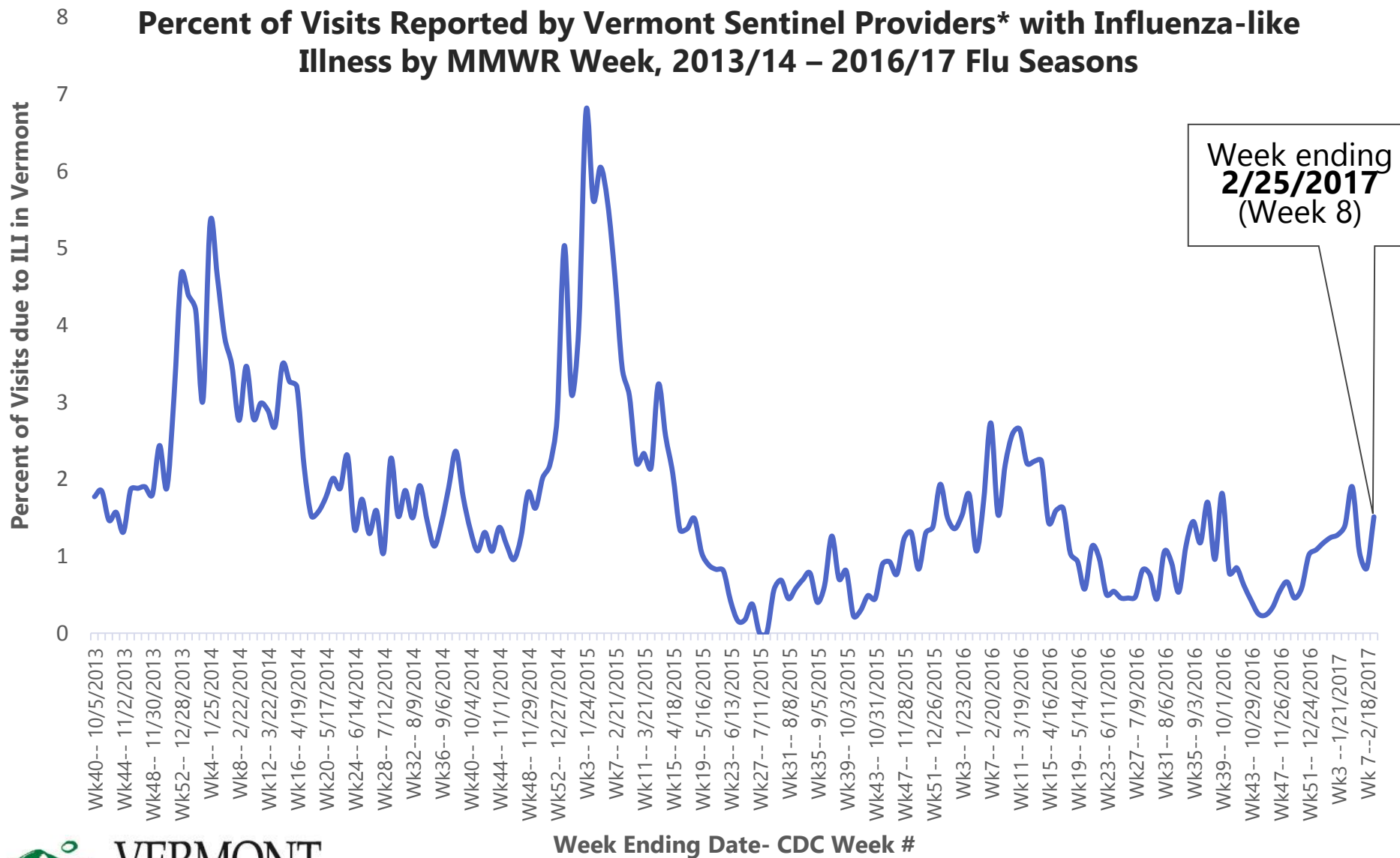
Sentinel Provider Data From ILINET

Sentinel providers report the number of patients with an ILI seen by their practices each week

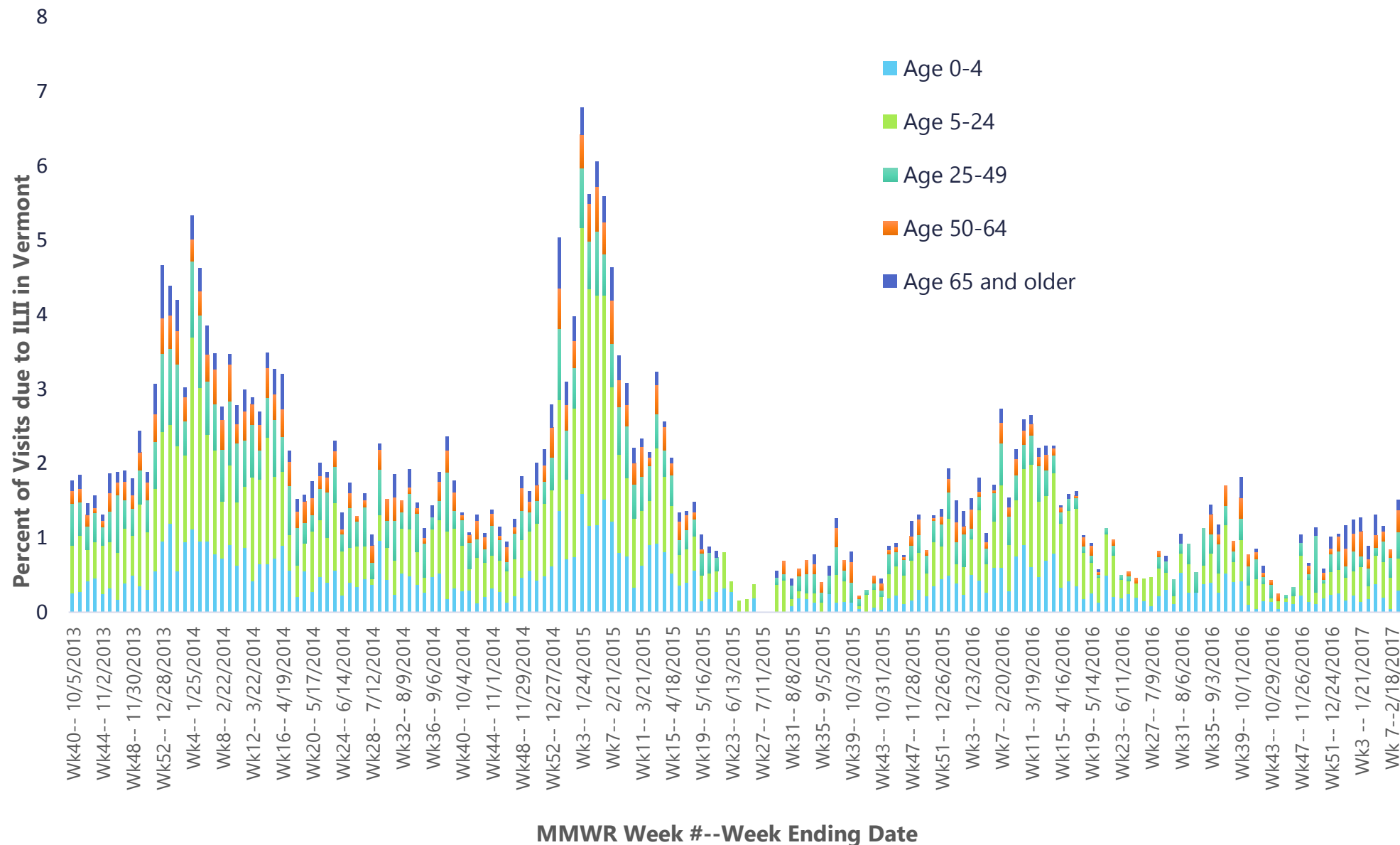
ILI is defined as a fever of at least 100° F and cough and/or sore throat, without a known cause other than influenza

There are 13 medical practices located throughout the state currently partnering with the Health Department as sentinels

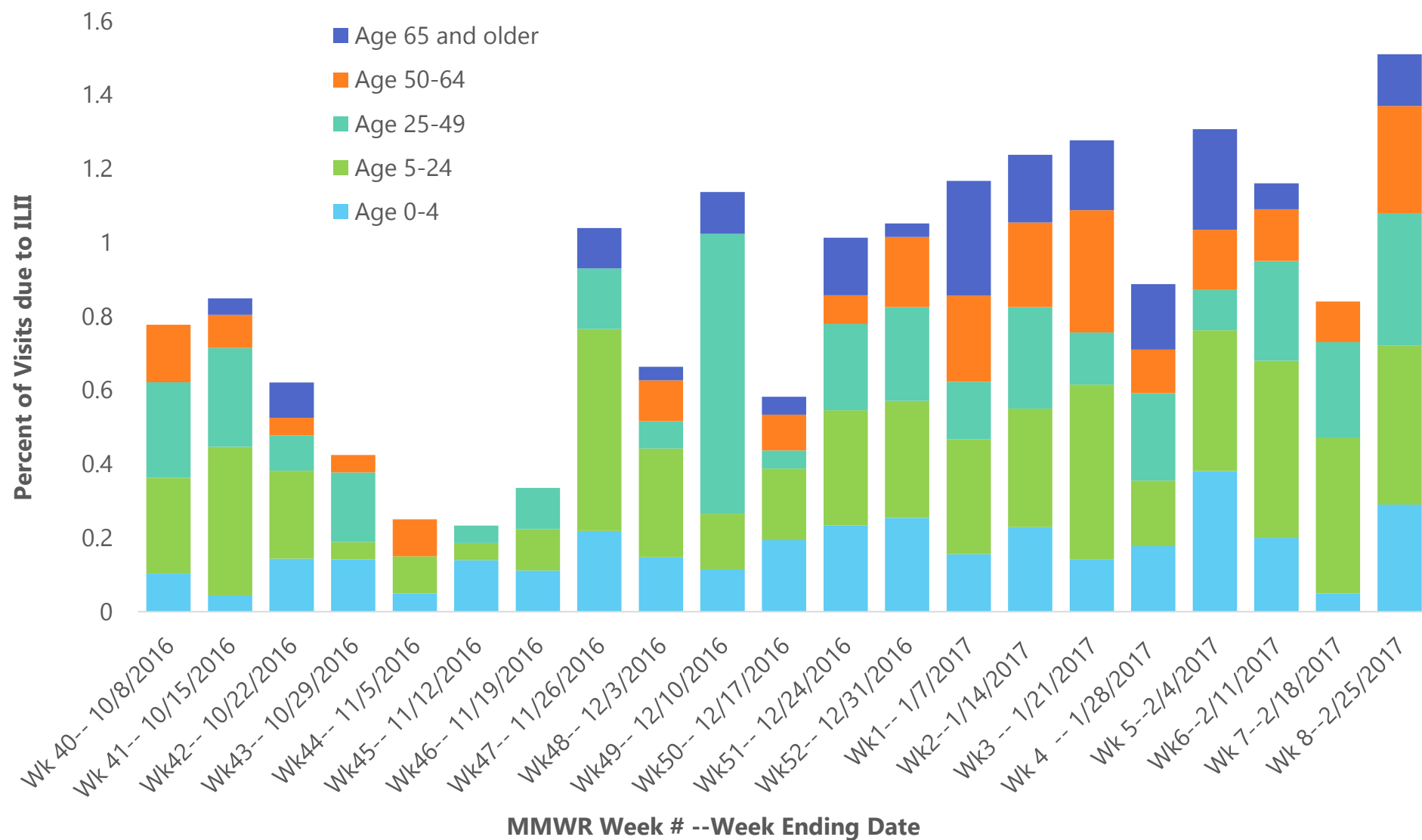
Percent of Visits Reported by Vermont Sentinel Providers* with Influenza-like Illness by MMWR Week, 2013/14 – 2016/17 Flu Seasons



Percent of Visits Reported by Vermont Sentinel Providers* with Influenza-like Illness by Age Group by MMWR Week, 2013/14 – 2016/17 Flu Seasons



Percent of Visits Reported by Vermont Sentinel Providers* with Influenza-like Illness by Age Group by MMWR Week 2016/2017 Flu Season



Vermont Department of Health Laboratory (VDHL) and National Respiratory and Enteric Virus Surveillance System (NREVSS)

Individual influenza laboratory results are not reported to the Vermont Department of Health. The data below represents an unknown subset of the actual number of flu tests done in Vermont

VDHL tests specimens for flu to identify exactly which strains are currently causing illnesses in the state. Flu testing at the state laboratory is for surveillance purposes and completed on specimens submitted to VDHL

NREVSS data is collected from collaborating university and community hospital laboratories. These participating laboratories report positive results for a number of viruses, including influenza, on a weekly basis. Three Vermont hospitals contribute data into this system and is voluntary

	VDHL* Current Week (Feb 19–Feb 25, 2017)		VDHL* 2016-2017 Season Total (Oct 2, 2016-Feb 25, 2017)		NREVSS* Current Week (Feb 19–Feb 25, 2017)		NREVSS* 2016-2017 Season Total (Oct 2, 2016-Feb 25, 2017)	
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
Specimens Tested	23		224		293		3182	
Positive Specimens	17	74%	171	76.3%	63	21.5%	374	11.8%
Positive Specimens by Type/Subtype								
Influenza A	14	82.3%	166	97.1%	46	73%	324	86.6%
A (2009 H1N1)	0	0%	0	0%	0	0%	0	0%
A (H1)	0	0%	0	0%	0	0%	0	0%
A (H3)	14	100%	166	100%	0	0%	0	0%
A (unsubtyped)	0	0%	0	0%	46	100%	324	100%
Influenza B	3	17.6%	5	2.9%	17	27%	50	15.4%

Outbreaks During the 2016-2017 Season*

Long-Term Care Facility Outbreaks

Number of Outbreaks

10

Outbreak Regions

Central:	1
Northeastern:	0
Northwestern:	5
Southeastern:	2
Southwestern:	2

School Outbreaks

Number of Outbreaks

3

Outbreak Regions

Central:	3
Northeastern:	0
Northwestern:	0
Southeastern:	0
Southwestern:	0

Outbreaks at Other Facilities

Number of Outbreaks

1

Outbreak Regions

Central:	0
Northeastern:	0
Northwestern:	1
Southeastern:	0
Southwestern:	0

MAP OF INFLUENZA SURVEILLANCE REGIONS IN VERMONT

http://healthvermont.gov/sites/default/files/documents/2016/11/ID_HS_sentinel_map_16.pdf